

Amendments to the Specification:

Please amend paragraph 0001 (page 1, lines 2-5) as follows:

CROSS REFERENCE TO RELATED APPLICATIONS

This application is a continuation-in-part of Ross and Newton, U.S. Ser. No. 09/187,579, filed Nov. 5, 1998, now U.S. Patent No. 6,246,062, issued June 12, 2001, and a continuation of Ross et al., U.S. Ser. No. 09/420,569, filed Oct. 19, 1999, now U.S. Patent 6,548,818, issued April 15, 2003, having the same title and incorporated herein by reference.

Please amend paragraph 0041 (page 6, lines 8-20) as follows:

The detector 114 may be responsive to wavelengths of radiation in a particular range, or it may be responsive to broad bands and/or used in combination with a filter to detect a specified range of interest. The detector 114 may be a spectrometer, such as a photodiode or photosensor, or ~~calorimeter~~ colorimeter. Preferably, the detector has a diameter of approximately 1 millimeter or thereabouts, and measures a total electromagnetic radiation sensed over the area of the detector. The detector 114 may be any detector known in the art commercially available which has the aforementioned features. Preferably, the detector 114 detects light having a wavelength from about 300 to about 400 nm and more preferably from about 300 to about 350 nm. For the embodiment shown in FIG. 1, an exemplary detector 114 is Part No. US 365 HFI-010.00, available from Electronic Instrumentation Technology Inc., in Sterling Va. The EIT detector has a sensitivity for radiation having a wavelength of 365 nanometers, plus or minus about 20 nanometers, because it uses a bandpass filter arrangement to attenuate and limit the radiation to a narrow band width.